

Amendments to the Specification:

Please enter the attached substitute specification. The substitute specification is prepared in accordance with 37 C.F.R. § 1.125 and does not include new subject matter. Attached is marked version of the substitute specification indicating changes made to the specification as well as a clean version with no markings.

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A control system of an electronic instrument for metrological measurements, comprising ~~a computer for local processing including a handling application of said instrument, characterized in that it comprises:~~

a handling application operable to control the instrument; and

a control application for operable to verify integrity of said handling application, ~~which can be associated with said local processing unit,~~

said control application being suitable for generating operable to generate a univocal metrological certification code for the handling application in response to verifying that the integrity is maintained.

2. (currently amended) The control system according to claim 1, wherein said ~~univocal~~ code is associated with ~~the printing of~~ a stamp comprising an issuing date of said stamp (82), a reference code of the metrological measurement instrument, and a barcode (83) corresponding to said ~~univocal~~ code.

3. (currently amended) The control system according to claim 1, wherein said control application and said handling application are communicably coupled via a network. ~~is associated with a central processing unit, which is connected to said local unit through a telecommunication network.~~

4. (original) The control system according to claim 1, characterized in that it includes a dynamic library associated with said handling application, which, at the start of a handling application, activates said control application.

5. (currently amended) The control system according to claim 4, wherein said dynamic library is locally stored ~~placed in said local unit.~~

6. (original) The control system according to claim 4, wherein said dynamic library is situated in said central processing unit.

7. (currently amended) The control system according to claim 1, wherein said univocal code is obtained ~~by means of~~ using a cryptography algorithm.

8. (currently amended) A method for ~~controlling~~ monitoring an electronic instrument for metrological measurements, ~~said instrument been associated with the local processing computer, including a handling application of said instrument,~~ comprising the following steps:

~~receiving, at the start of the handling application,~~ information associated with a handling application for the instrument and locally stored ~~contained in said local unit referring to the handling application; and~~

~~processing said information by means of a comparison with pre-memorized information;~~

issuing a ~~univocal~~ certification code ~~which can be~~ associated with ~~said~~ the handling application based on the information and operable to indicate that integrity of the handling application has been maintained [[:]]

~~print and on paper, a stamp containing said univocal code.~~

9. (currently amended) The method according to claim 8, wherein ~~said step for~~ producing a ~~univocal~~ code includes processing said information ~~by means of~~ using a cryptography algorithm.

10. (currently amended) The method according to claim 8, wherein ~~said step for~~ ~~receiving information comprises the step of receiving~~ the received information comprises an authenticity certificate of the handling application.

11. (currently amended) The method according to claim 8, wherein ~~said step of~~ ~~receiving information comprises the step of receiving~~ the received information comprises an acknowledgment code of said local unit.

12. (New) The system of claim 1, wherein the controller is further operable to generate an alert in response to determining a violation of the integrity of the handling application.

13. (New) The system of claim 12, wherein the violation comprises an unregistered modification of the handling application.

14. (New) The system of claim 1, wherein the controller is further operable to prevent the handling application from operating in response to determining the violation.

15. (New) The system of claim 1, wherein the controller is further operable to verify whether a certification associated with the handling application is valid.

16. (New) The system of claim 15, wherein the certification is verified using a digital signature.

17. (New) The method of claim 8, further comprising:  
determining a violation of the integrity of the handling application; and  
generating an alert in response to the violation.

18. (New) The method of claim 17, further comprising preventing the handling application from operating in response to determining the violation.

19. (New) The method of claim 8, further comprising:  
determining that a certification associated with the handling application is invalid; and  
generating an alert in response to the determining the invalidity.

20. (New) The method of claim 8, further comprising generating a stamp indicating that the integrity of the handling application is verified.

21. (New) The method of claim 8, wherein the information is received at the start of the handling application.